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(71) Applicant:  
**DOW CORNING CORPORATION**  
**Midland, Michigan 48686-0994 (US)**

(72) Inventors:  
• **Liles, Donald Taylor**  
**Midland, Michigan 48640 (US)**

• **Murray, David Logan**  
**Fall Branch, Tennessee 37662 (US)**

(74) Representative:  
**Spott, Gottfried, Dr. et al**  
**Patentanwälte**  
**Spott, Weinmiller & Partner**  
**Sendlinger-Tor-Platz 11**  
**80336 München (DE)**

(54) **Silicone/organic copolymer emulsions**

(57) Disclosed herein is the emulsion copolymerizing of a particular crosslinker, i.e., either a siloxane or silazane, with an organic monomer. An emulsion is formed therefrom having particles consisting of polymer chains formed from an organic monomer. Depending on the crosslinker and reaction conditions, these emulsion polymer chains are either crosslinked or uncrosslinked. The uncrosslinked polymer chains are then crosslinked at a later point by the addition of a suitable catalyst.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 96 11 7546

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                      |                                                      |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Citation of document with indication, where appropriate, of relevant passages                                        | Relevant to claim                                    | CLASSIFICATION OF THE APPLICATION (Int.Cl.6)                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DE 21 44 972 A (DOW CORNING)<br>* example 1 *<br>* page 1, paragraph 1 *<br>* page 7, paragraph 1 *<br>* claim *     | 1-10,13                                              | C08F230/08<br>C08F290/06<br>C08F290/14<br>C08F2/24                          |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>EP 0 378 370 A (ROHM AND HAAS)<br>* example 3 *<br>* claim 1 *                                                | 1-10,13                                              |                                                                             |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>EP 0 525 863 A (MINISTERO DELL'<br>UNIVERSITA' E DELLA RICERCA SCIENTIFICA E<br>TECNOLOGICA)<br>* example 1 * | 1                                                    |                                                                             |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>EP 0 131 911 A (SHIN-ETSU)<br>* example 27 *<br>* claim 1 *                                                   | 1                                                    |                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -----                                                                                                                |                                                      |                                                                             |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                      |                                                      | <b>TECHNICAL FIELDS<br/>SEARCHED (Int.Cl.6)</b><br><br>C08F<br>C08G<br>C09D |
| Place of search<br>BERLIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                      | Date of completion of the search<br>9 September 1997 | Examiner<br>Hoepfner, W                                                     |
| <b>CATEGORY OF CITED DOCUMENTS</b><br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |                                                                                                                      |                                                      |                                                                             |

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